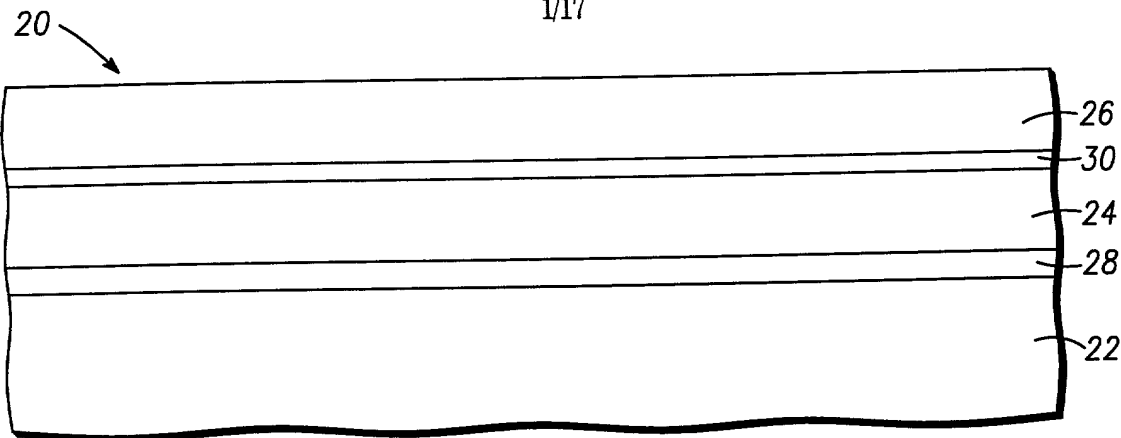
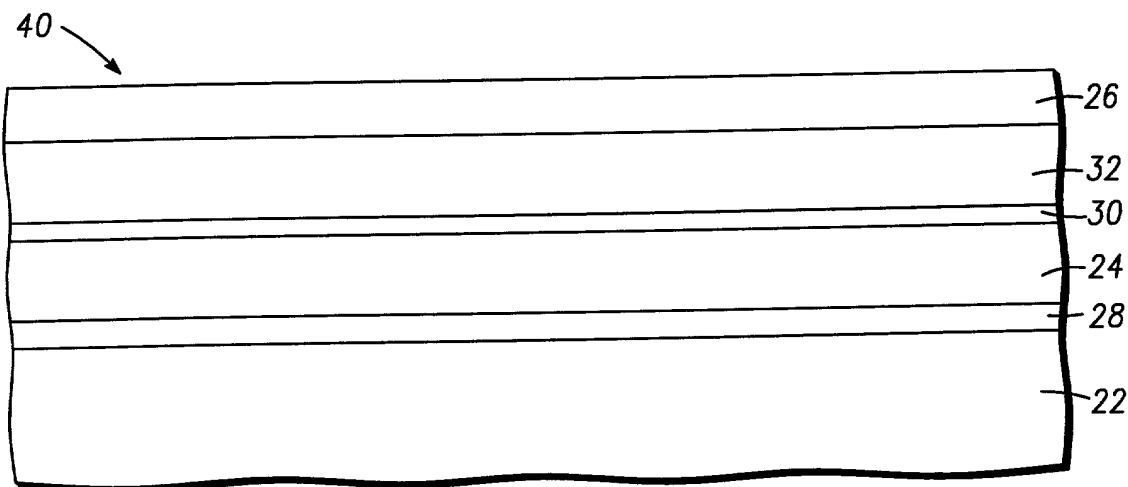


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**FIG. 1**



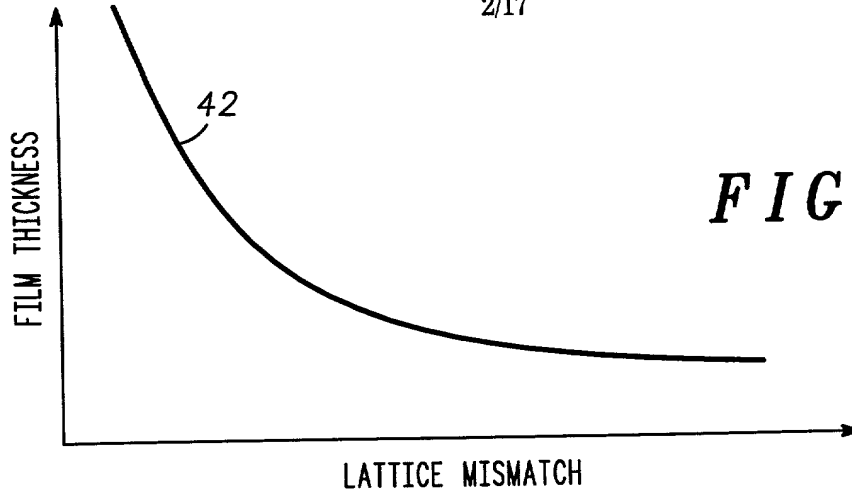
**FIG. 2**



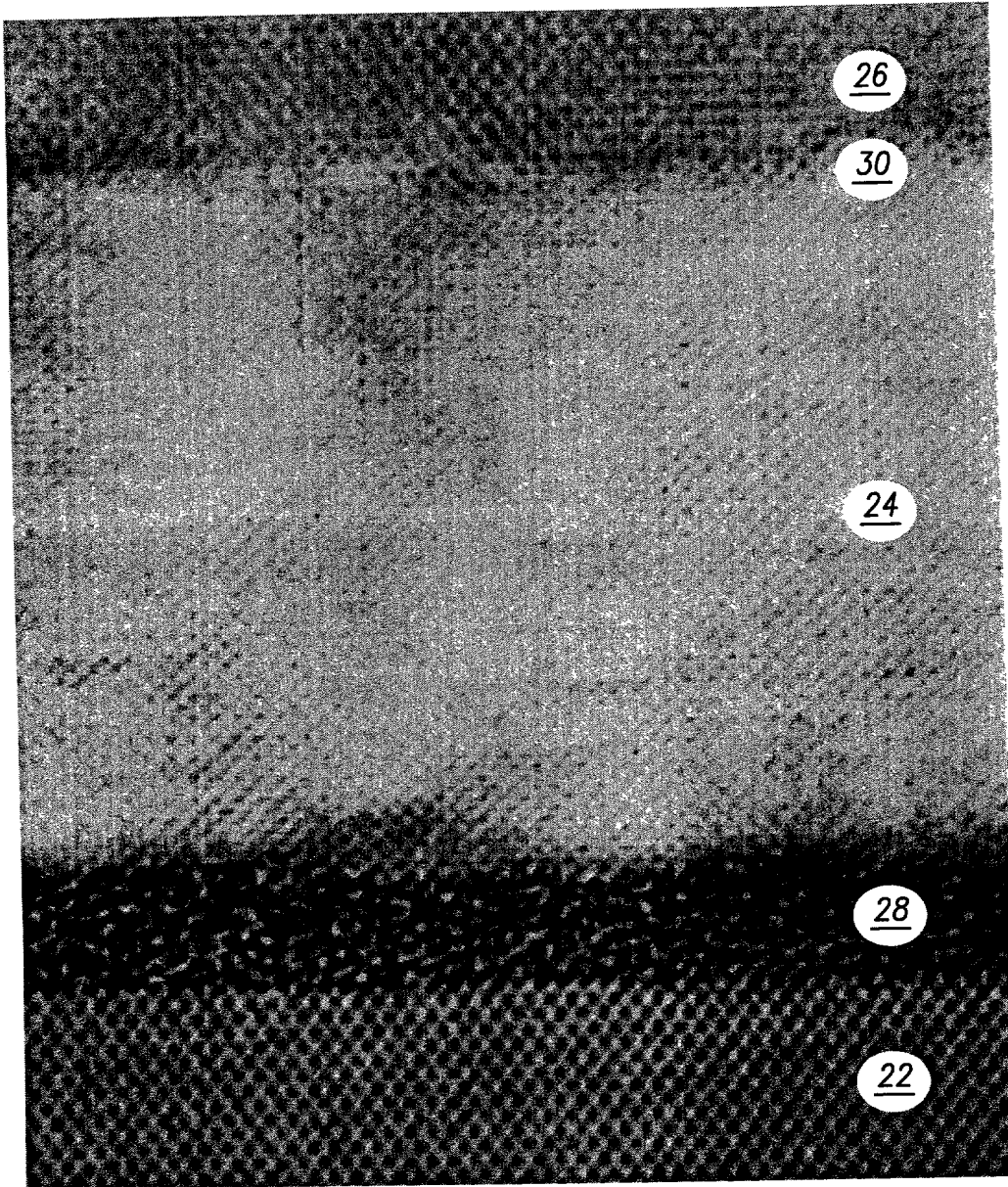
**FIG. 3**

FIG. 20" 14840650

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*FIG. 4*



*FIG. 5*

090484 050  
T09T20" T4840660

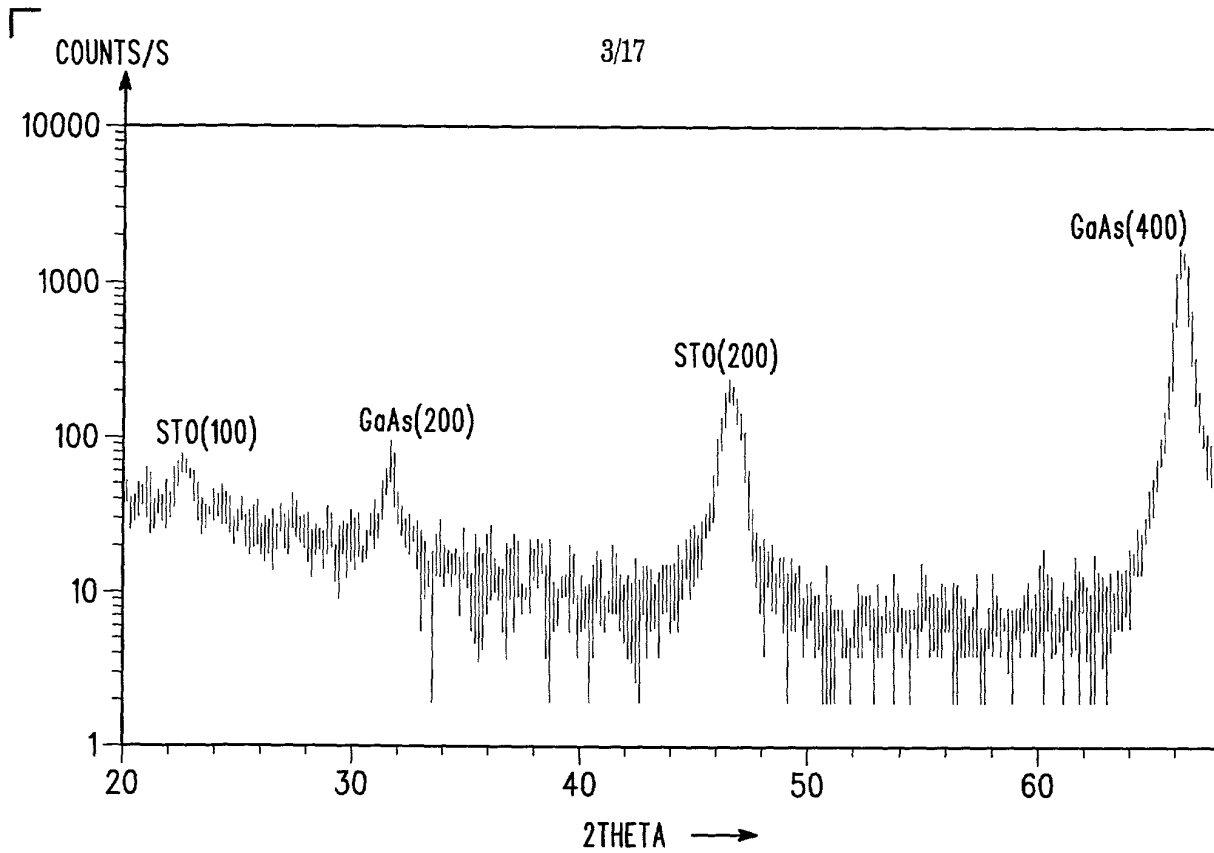


FIG. 6

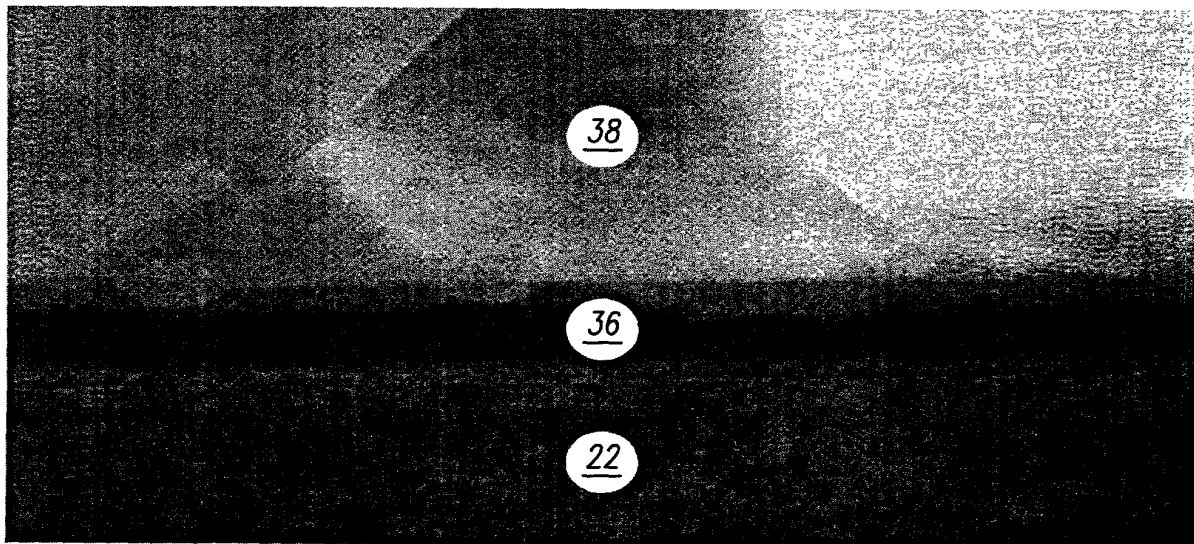
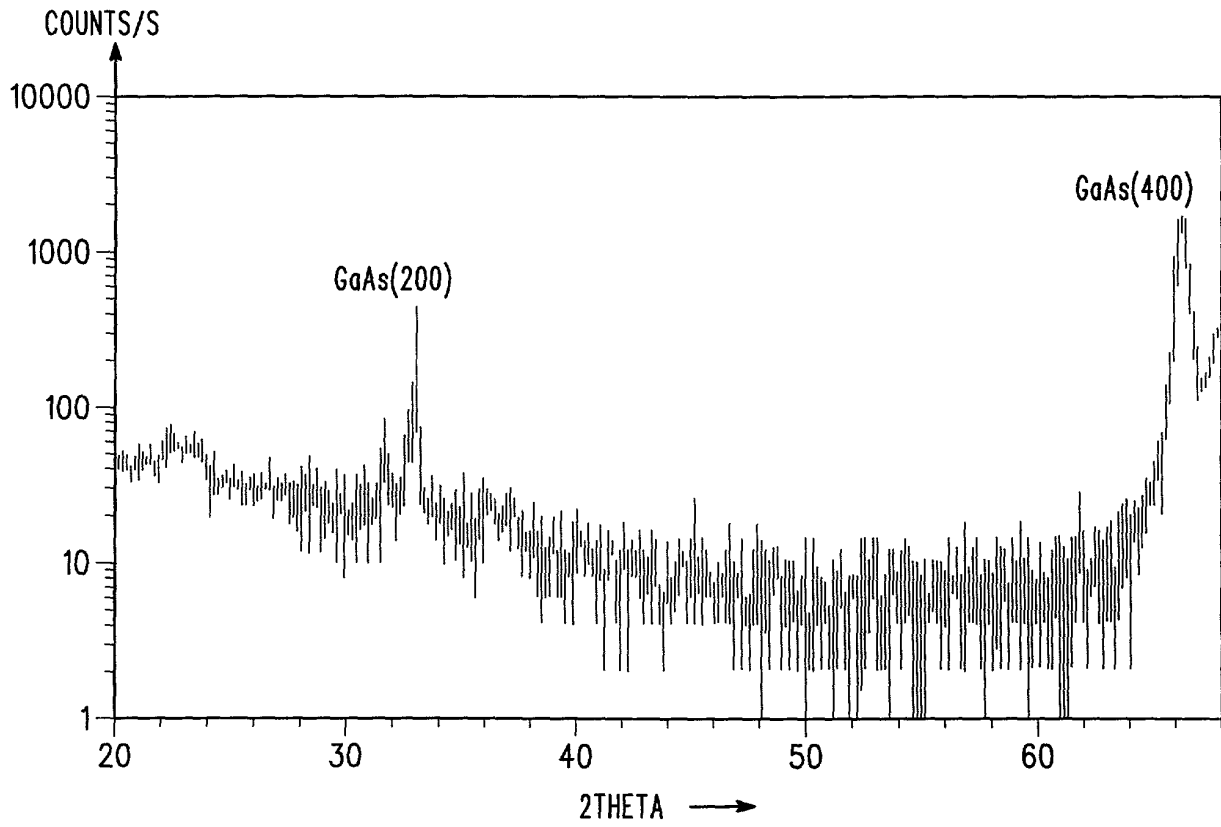


FIG. 7

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*FIG. 8*

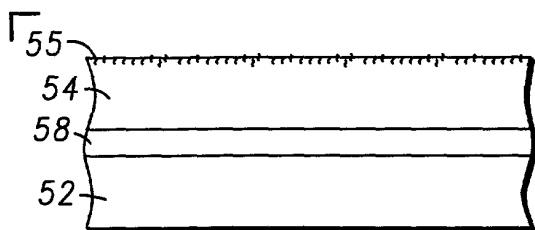


FIG. 9

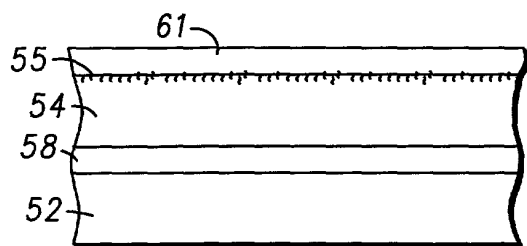


FIG. 10

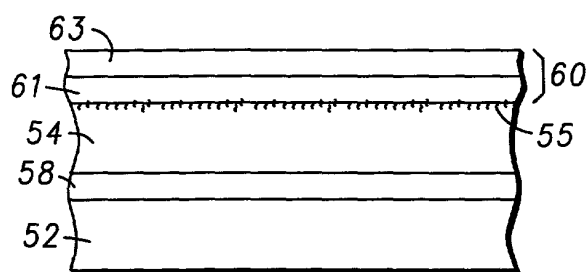


FIG. 11

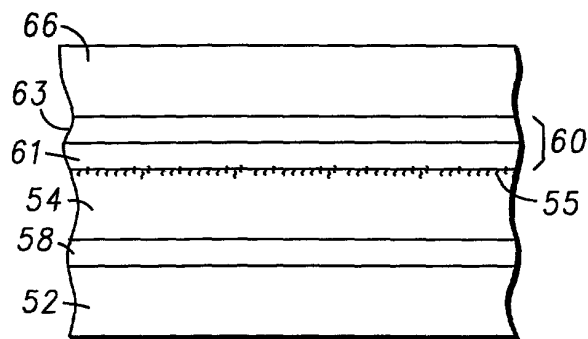


FIG. 12

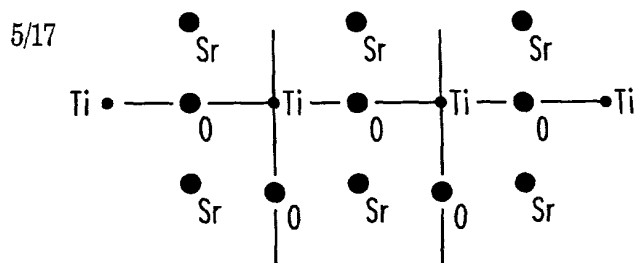


FIG. 13

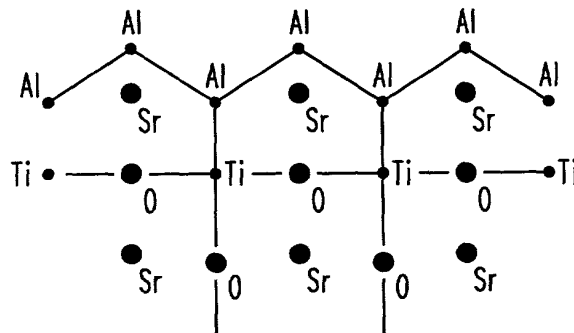


FIG. 14

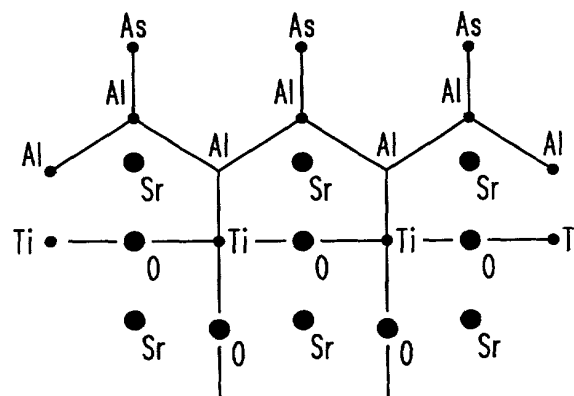


FIG. 15

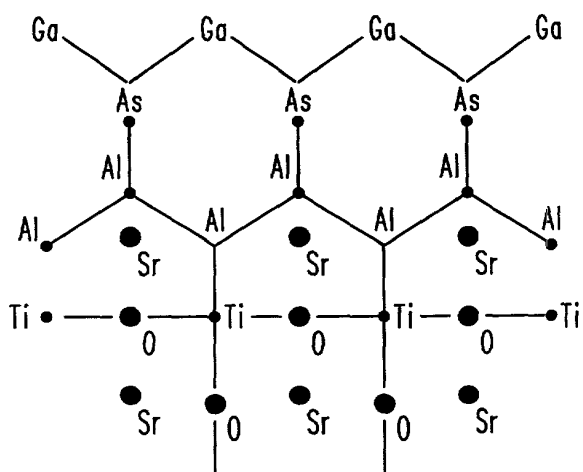
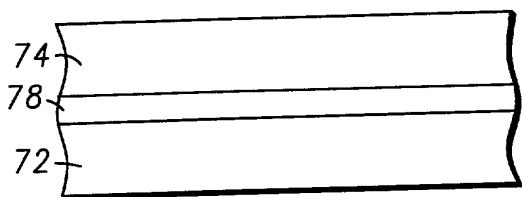
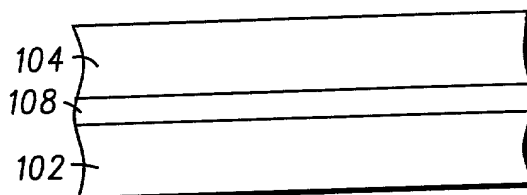


FIG. 16

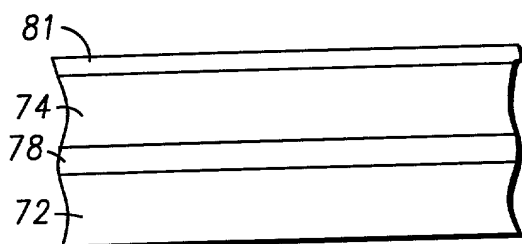
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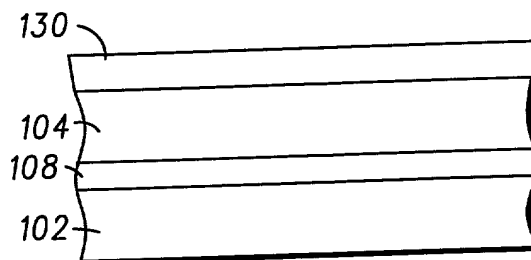
**FIG. 17**



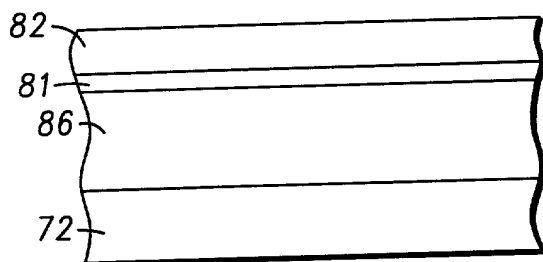
**FIG. 21**



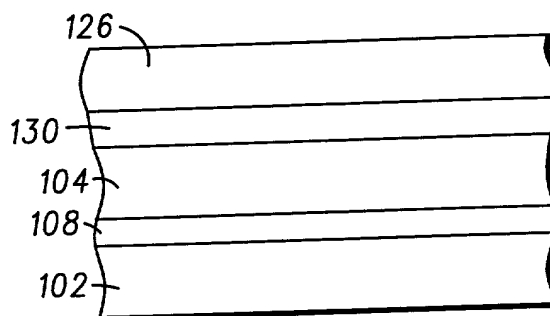
**FIG. 18**



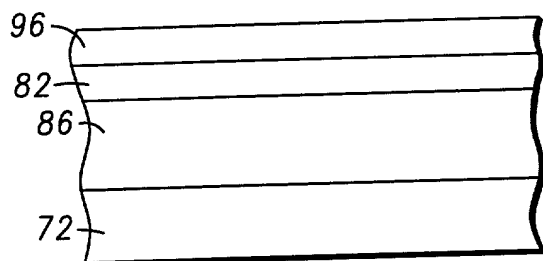
**FIG. 22**



**FIG. 19**



**FIG. 23**



**FIG. 20**

FIG. 20: 14340650

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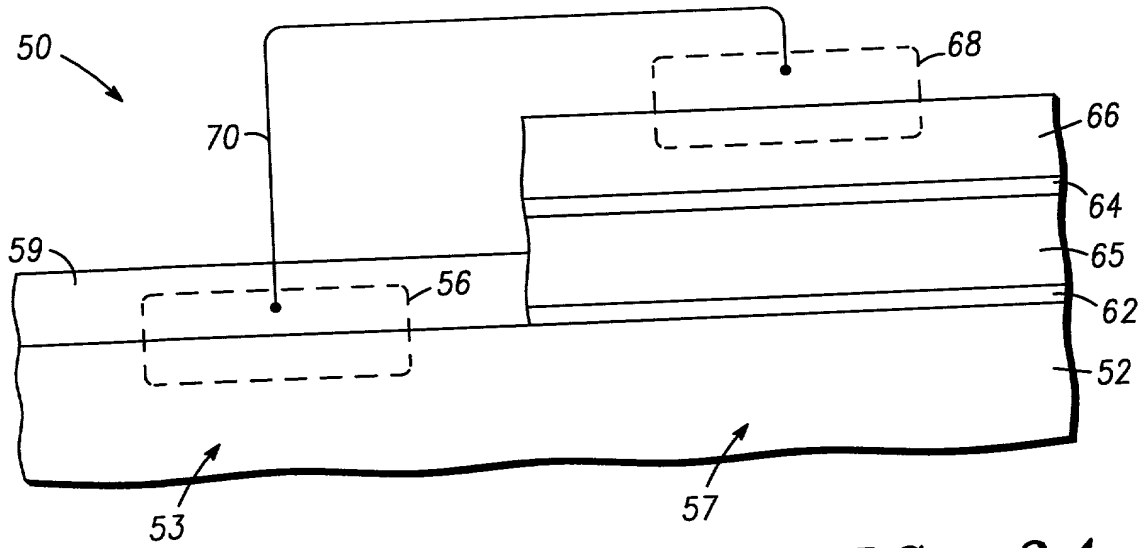


FIG. 24

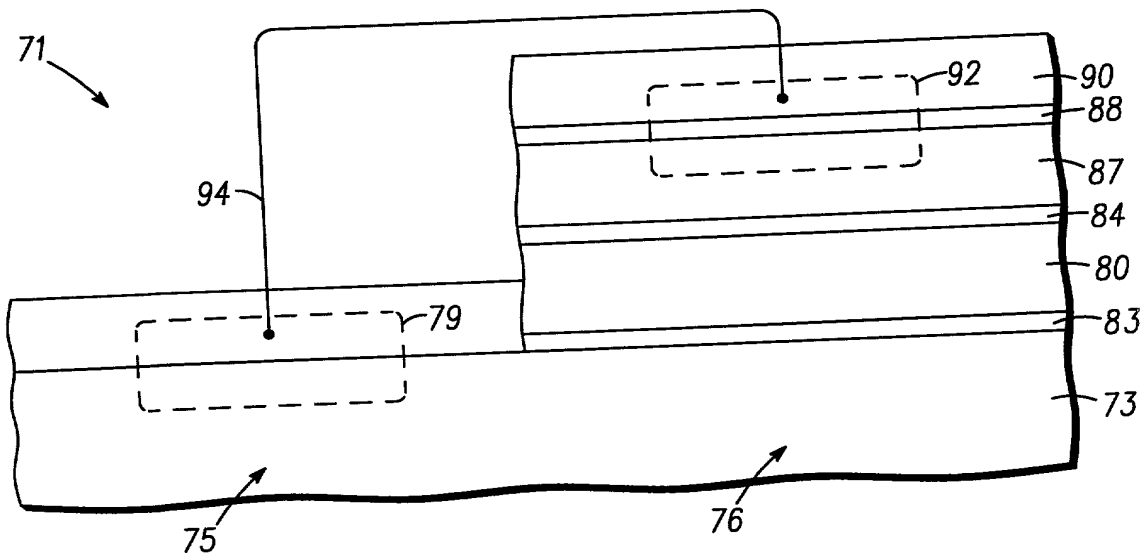
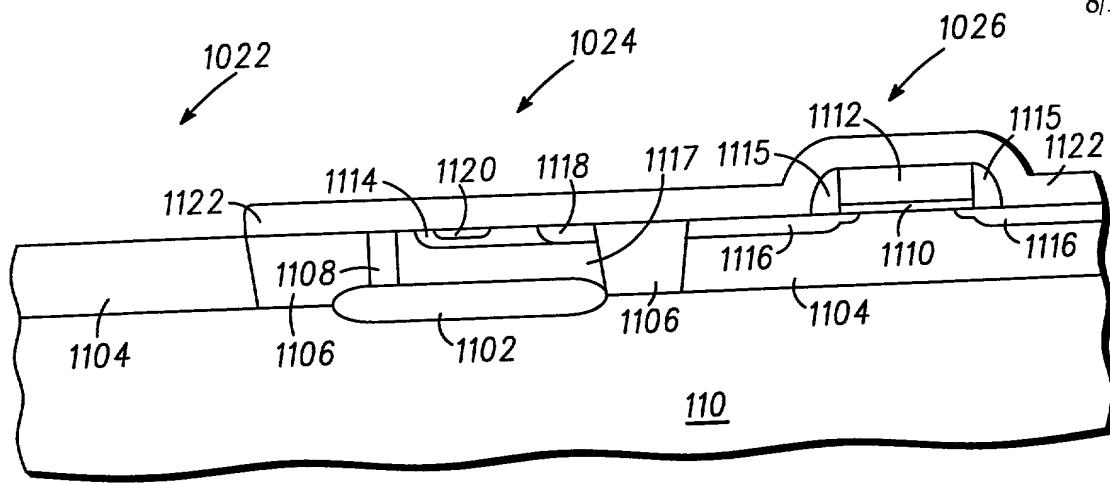
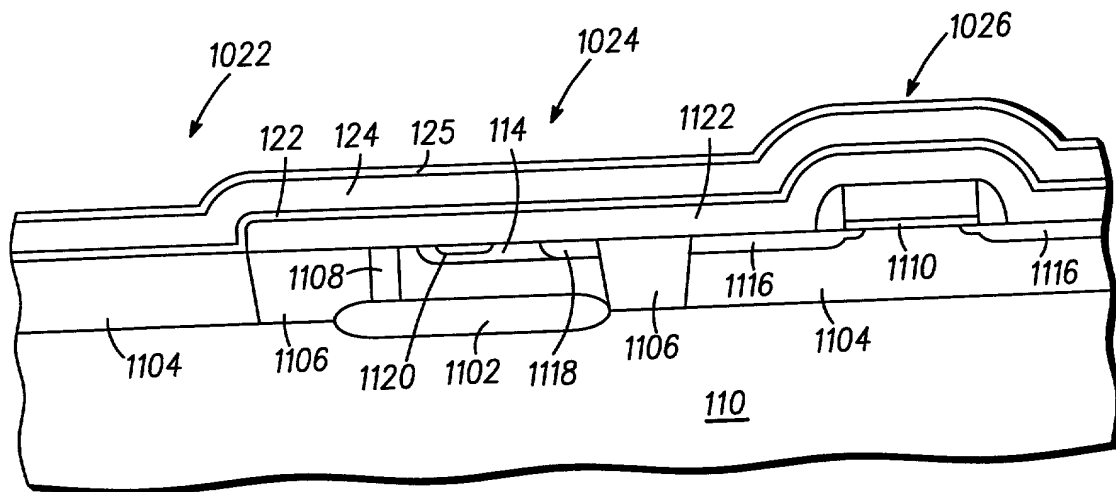


FIG. 25

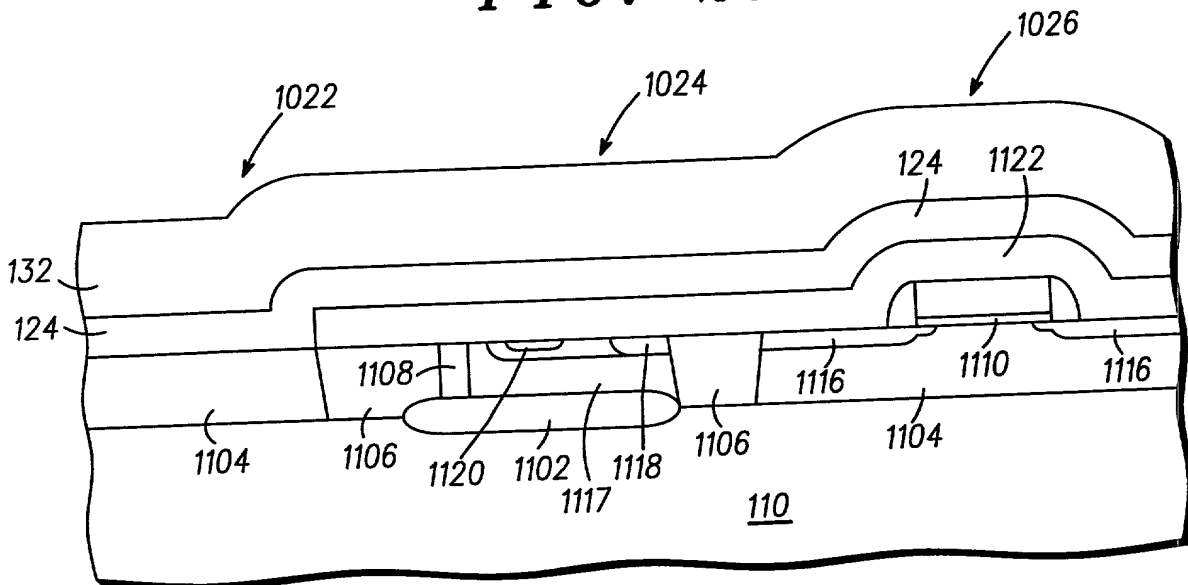
FIG. 24



103 **FIG. 26**



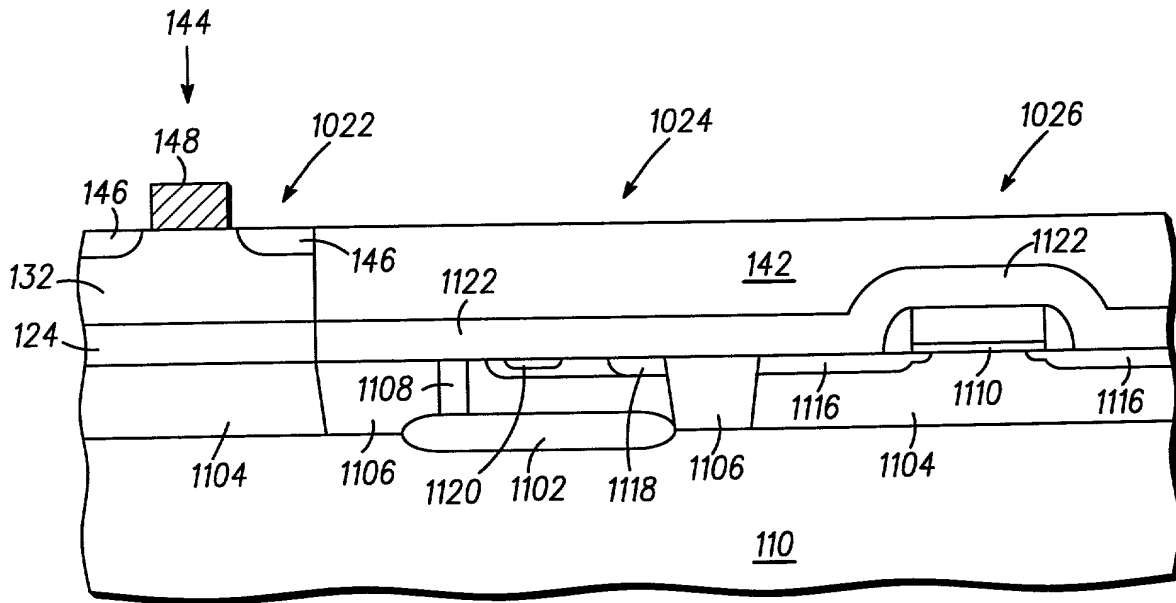
103 **FIG. 27**



103 **FIG. 28**

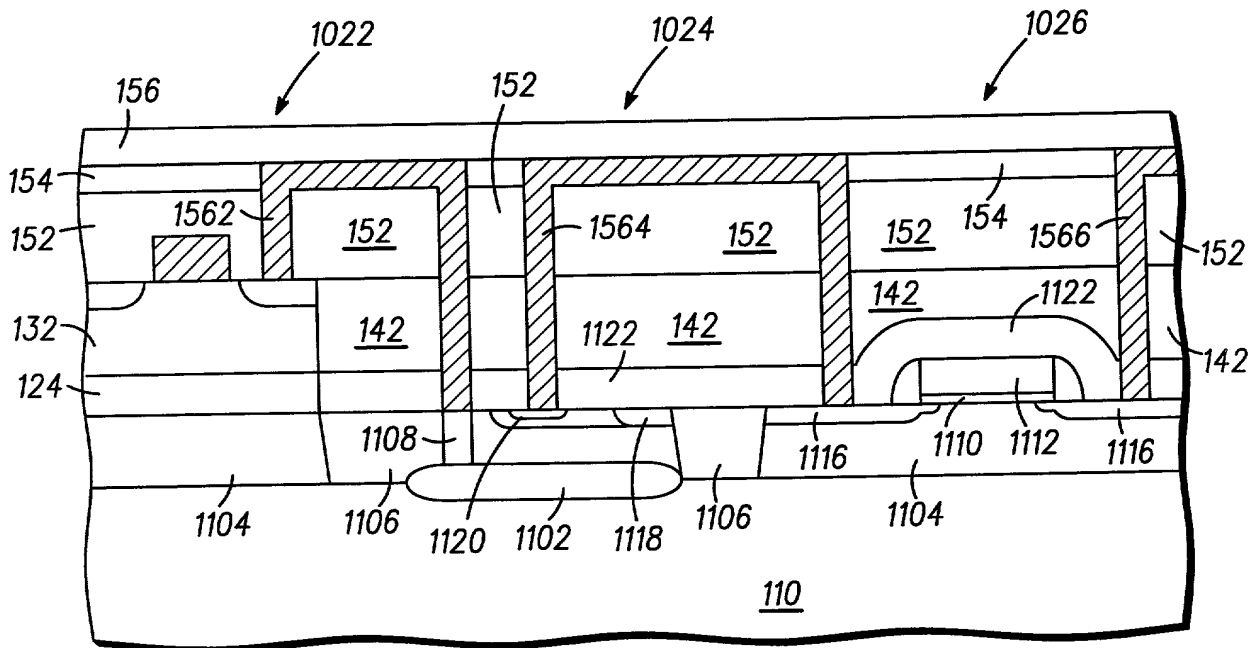


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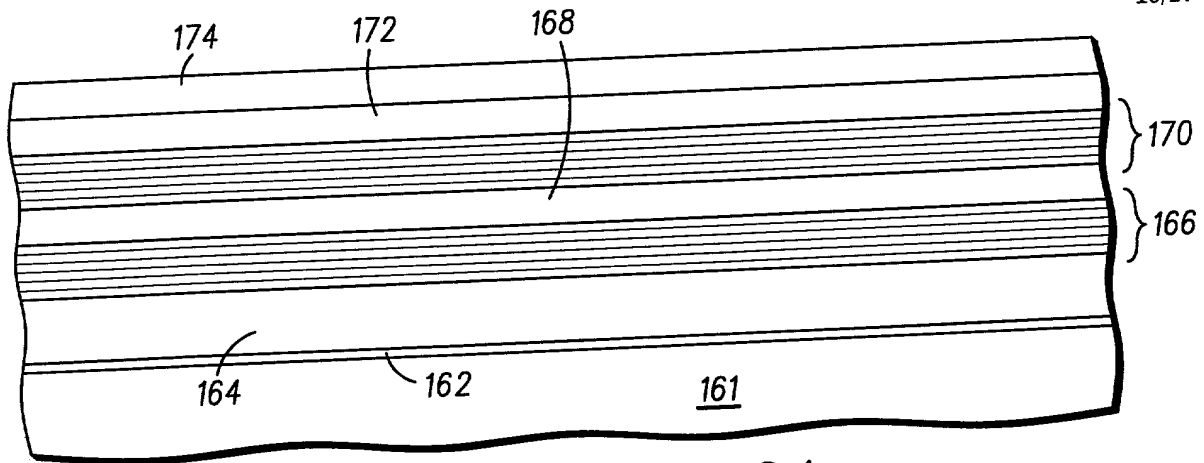
FIG. 29



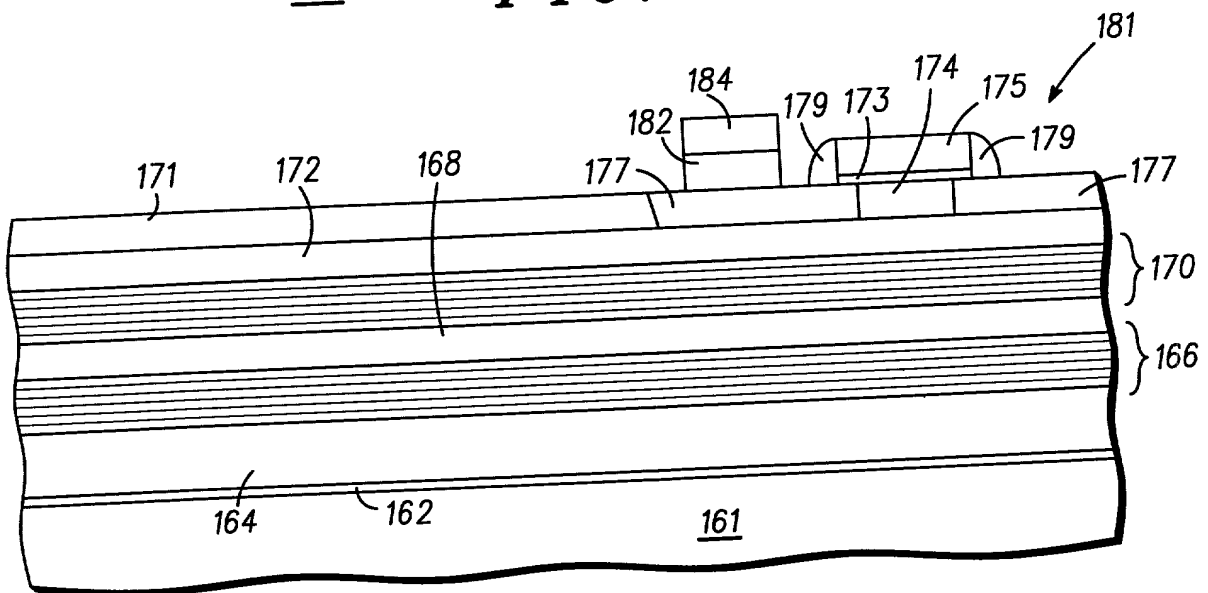
103

FIG. 30

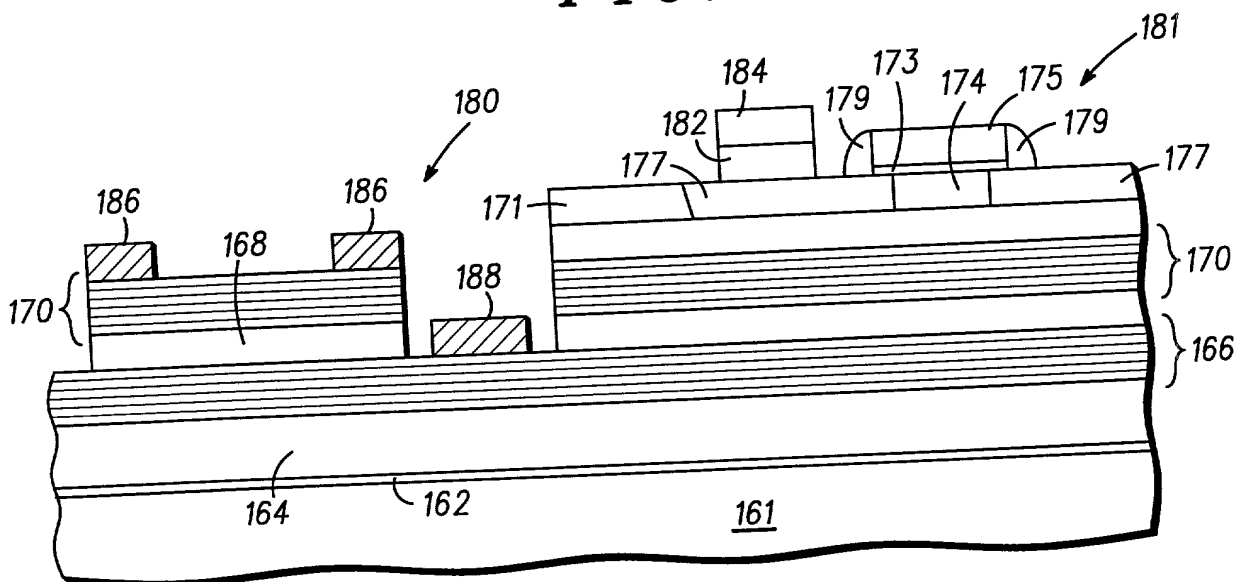
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160 **FIG. 31**



160 **FIG. 32**



160 **FIG. 33**

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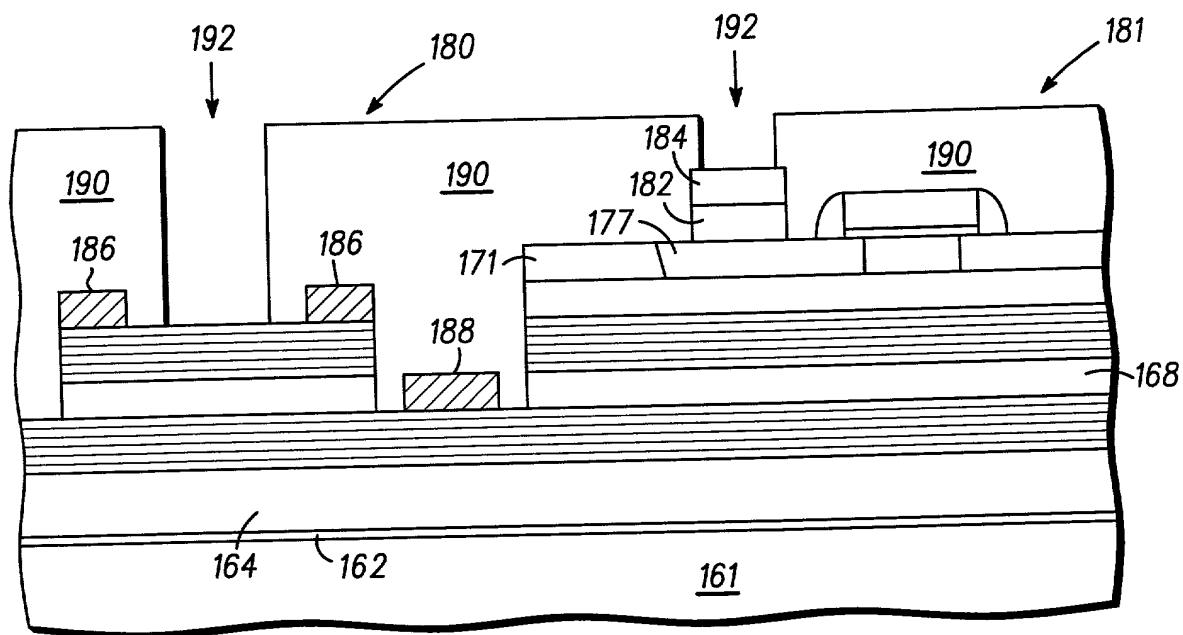


FIG. 34

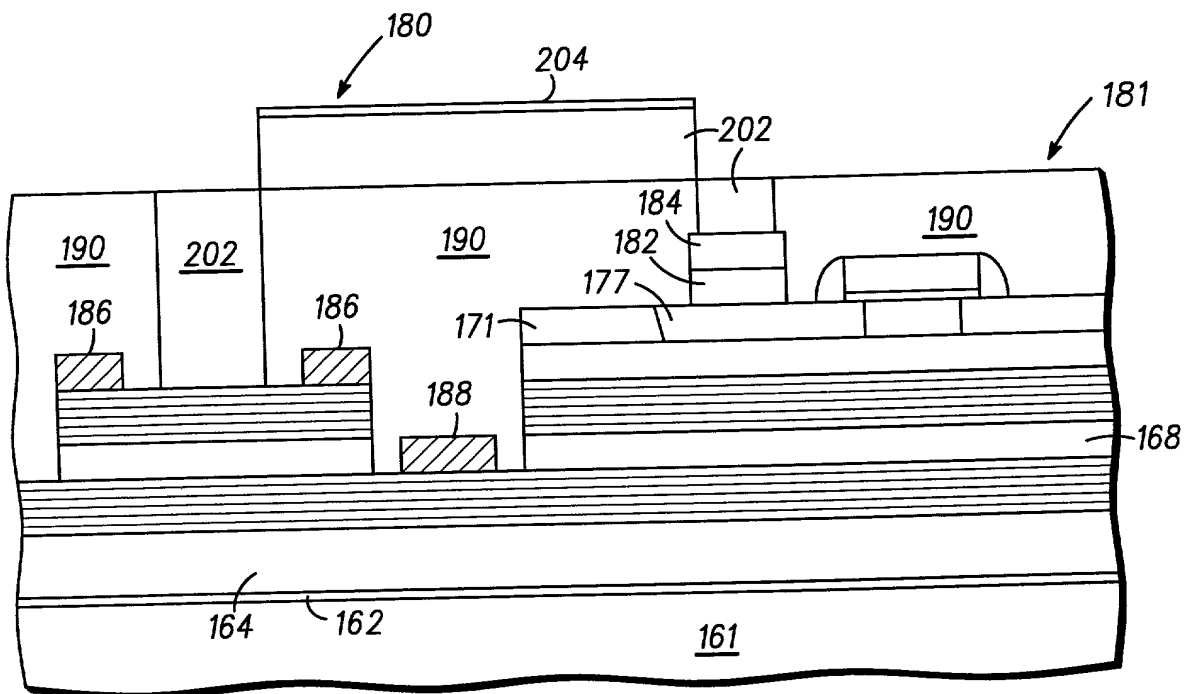


FIG. 35

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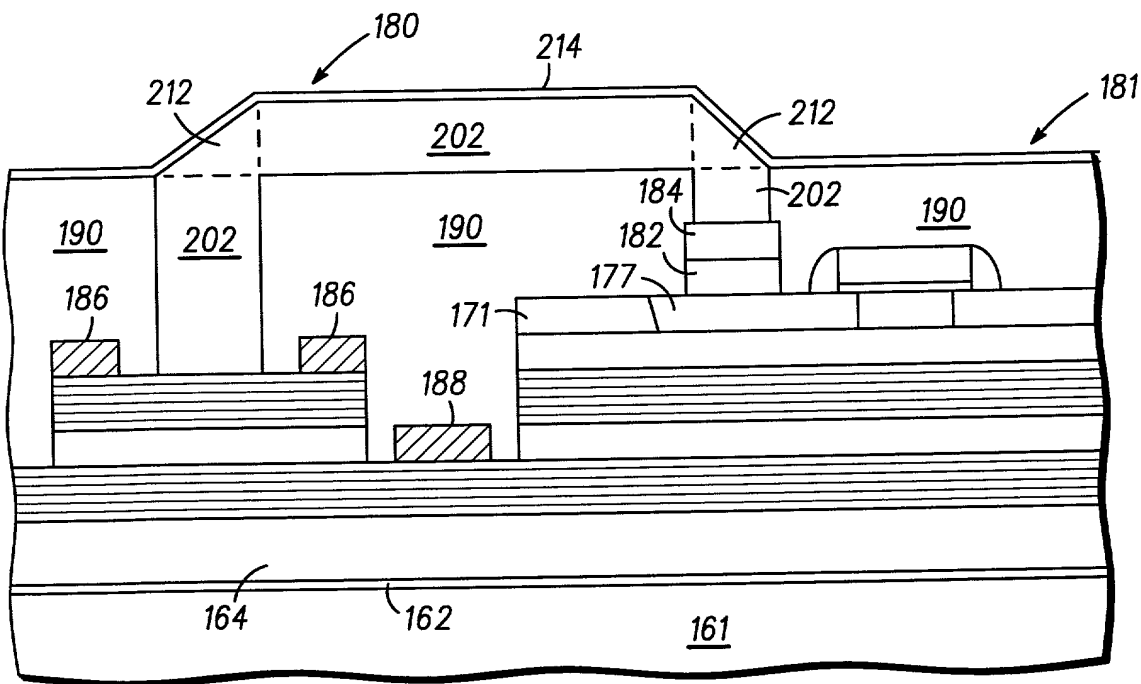


FIG. 36

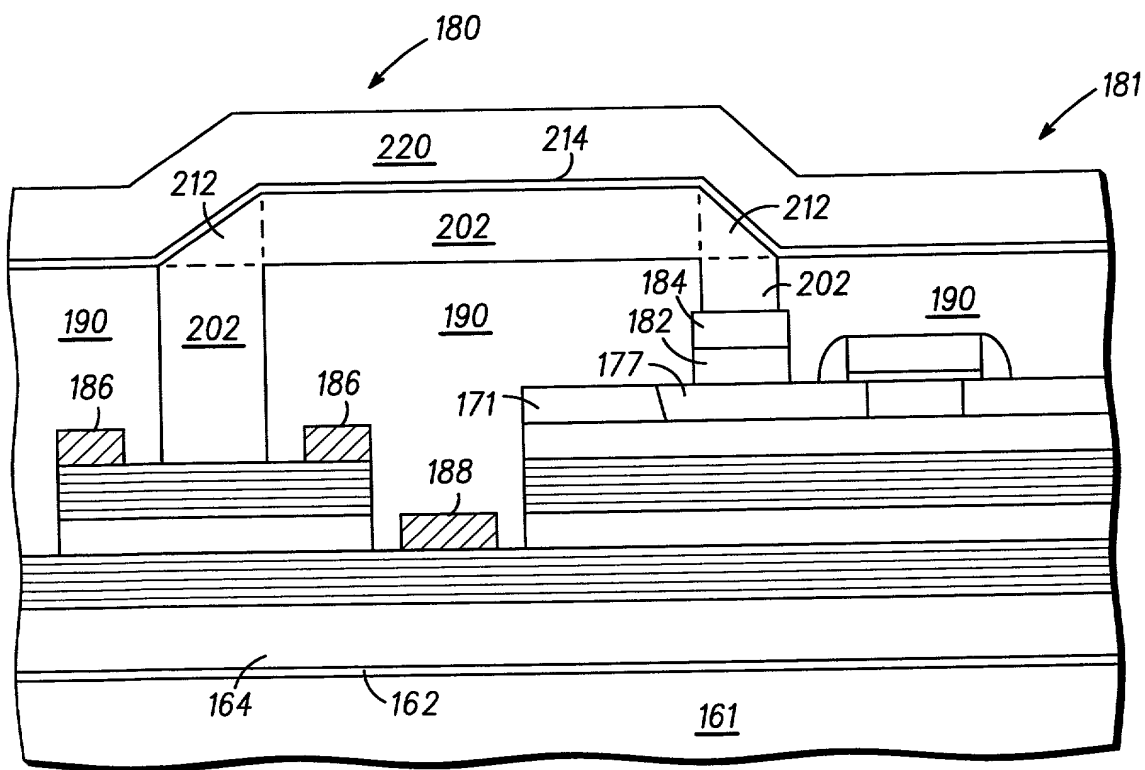
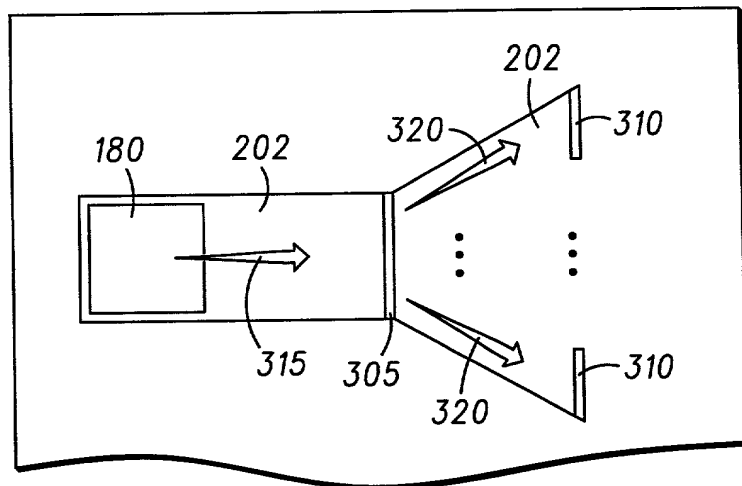
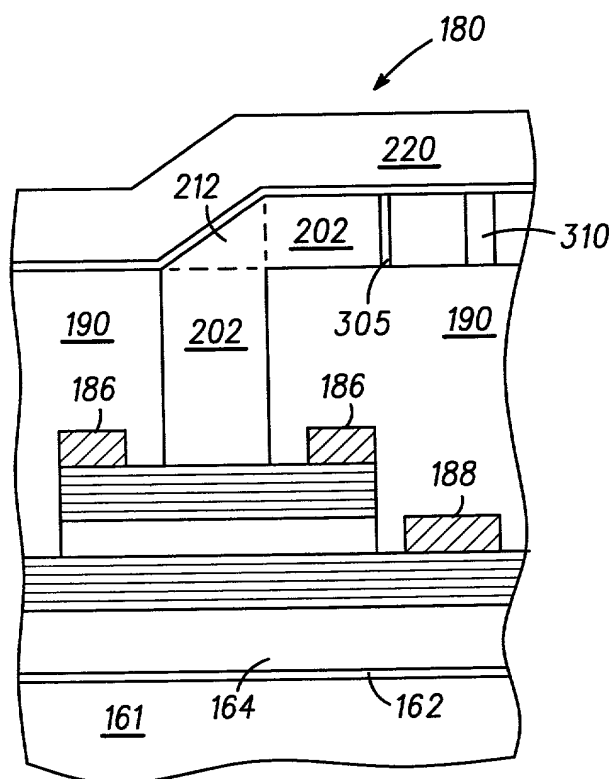


FIG. 37

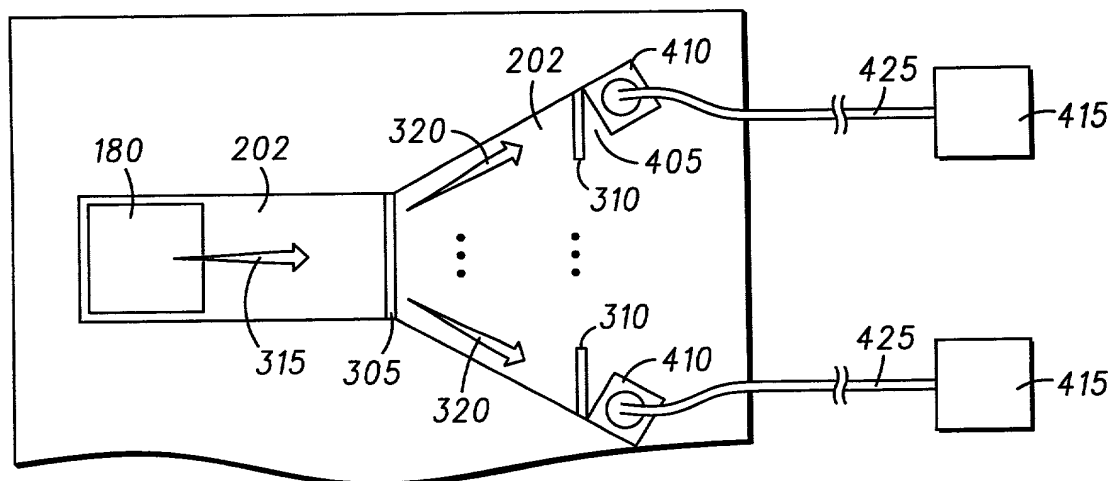


**FIG. 38**  
300

**FIG. 39**  
300



**FIG. 40**  
400



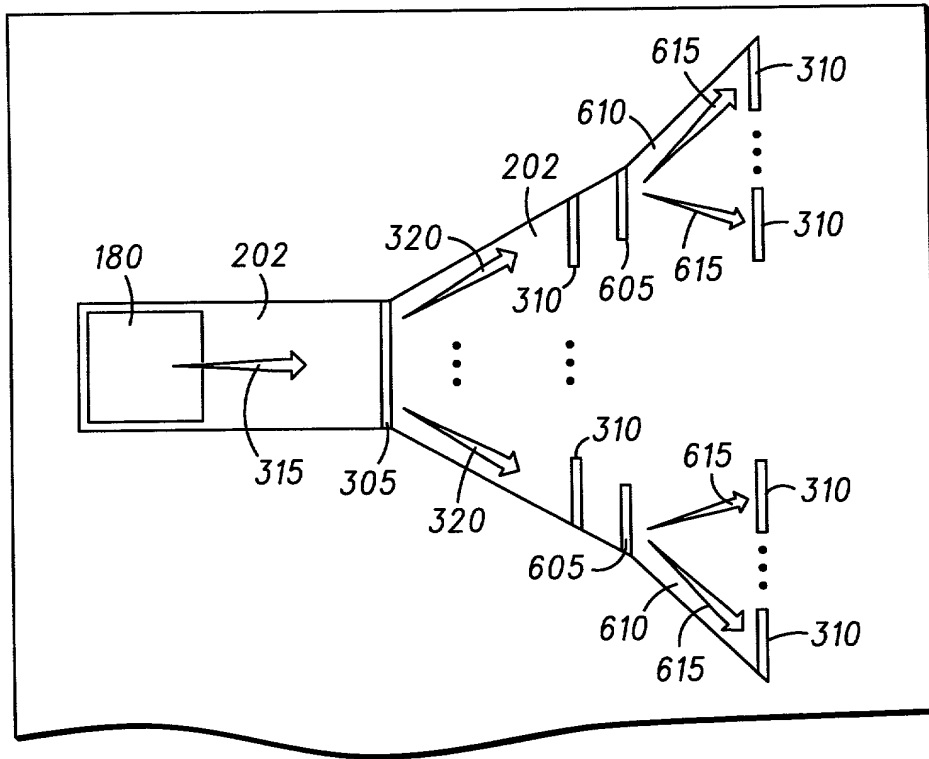


400



500

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600

FIG. 43

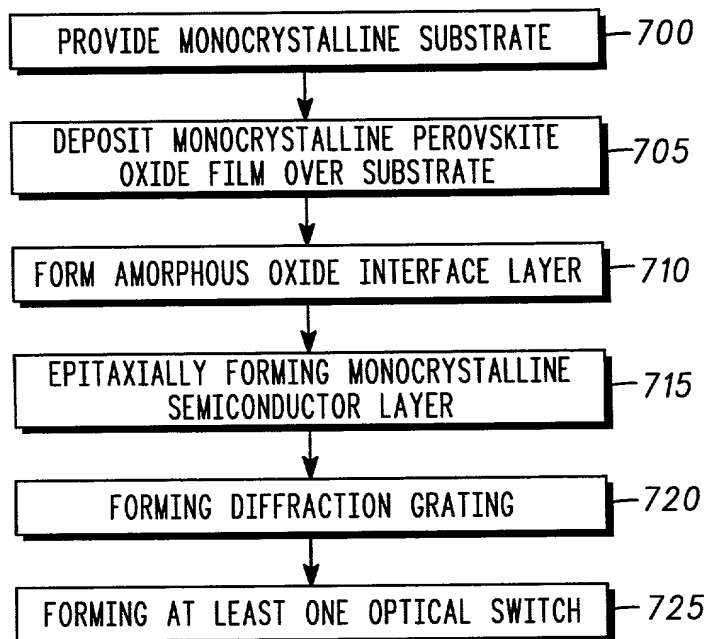


FIG. 44

	TRANSMITTANCE FUNCTION	INTENSITY PATTERN
RECTANGULAR APERATURE	$t(x_1, y_1) = \text{RECT}(\frac{x_1}{l_x}) \text{RECT}(\frac{y_1}{l_y})$	$I(x_0, y_0) = \frac{l_x^2 l_y^2}{2 \lambda^2 z^2} \text{SIN}^2(\frac{l_x x_0}{\lambda z}) \text{SIN}^2(\frac{l_y y_0}{\lambda z})$
CIRCULAR APERATURE	$t(r_1) = \text{CIRC}(\frac{r_1}{l/2})$	$I(r_0) = (\frac{kl^2}{8z})^2 [2 \frac{j_1(klr_0/2z)}{klr_0/2z}]^2$
SINUSOIDAL AMPLITUDE GATING	$t(x, y) = [\frac{1}{2} + \frac{m}{2} \cos(2\pi f_0 x)] \text{RECT}(\frac{x}{l}) \text{RECT}(\frac{y}{l})$	$I(x_0, y_0) = [\frac{l^2}{2 \lambda^2 z^2} \text{SIN}^2(\frac{y_0}{\lambda z}) \{ \text{SIN}^2(\frac{l x_0}{\lambda z}) + \frac{m^2}{4} \text{SIN}^2(\frac{l}{\lambda z} (x_0 + f_0 \lambda z)) + \frac{m}{2} \text{SIN}^2(\frac{l}{\lambda z} (x_0 - f_0 \lambda z)) \}]$
SINUSOIDAL PHASE GATING	$t(x_1, y_1) = \text{EXP}[j \frac{m}{2} \sin(2\pi f_0 x_1)] \text{RECT}(\frac{x_1}{l_x}) \text{RECT}(\frac{y_1}{l_y})$	$I(x_0, y_0) = (\frac{l^2}{\lambda^2 z^2})^2 \sum_{Q \dots \alpha}^{\alpha} j_2(\frac{m}{2}) \text{SIN}^2(\frac{l}{\lambda z} (x_0 - q f_0 \lambda z)) \text{SIN}^2(\frac{l y_0}{\lambda z})$

FIG. 45

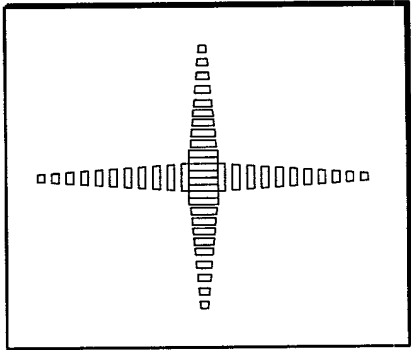


FIG. 47

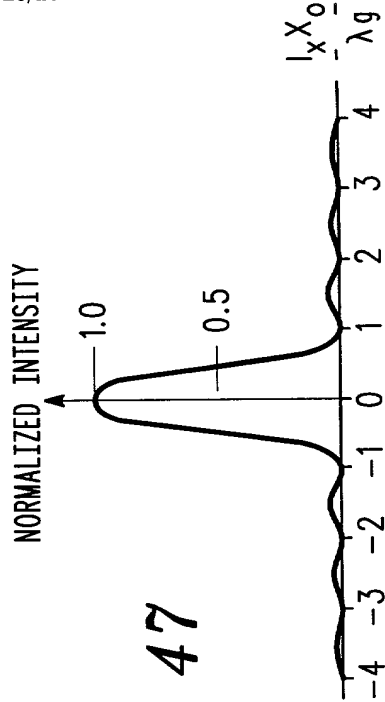


FIG. 46



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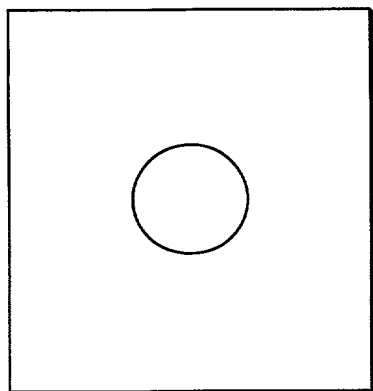


FIG. 48

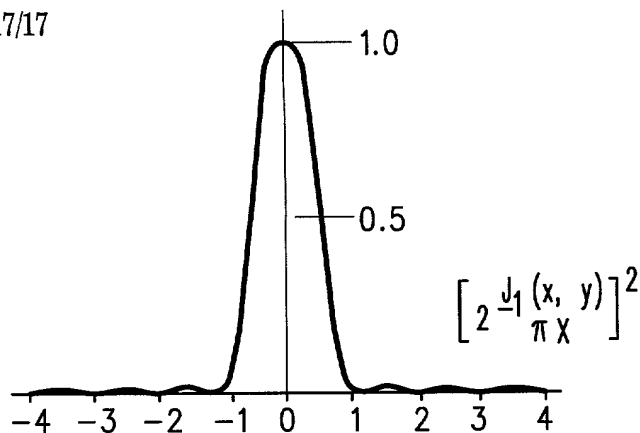


FIG. 49

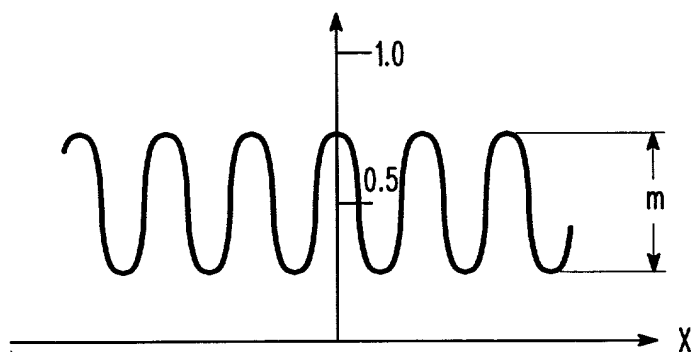


FIG. 50

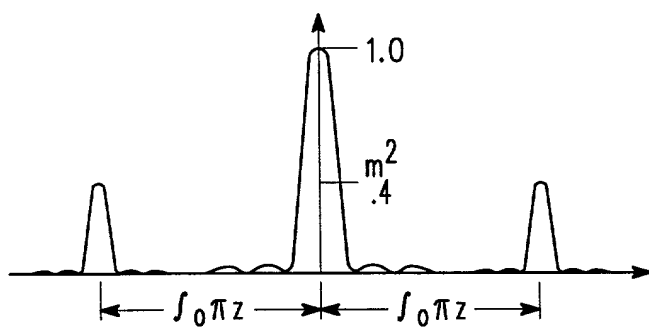


FIG. 51

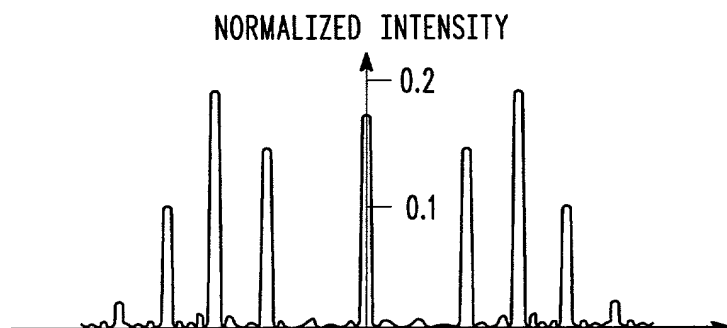


FIG. 52

FIG. 48